IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent application of:

Hans-Peter Call (applicant))
Serial No. 09/446,373)
Filed June 19, 1998)
For: OXIDATION AND BLEACHING)
SYSTEM WITH ENZYMATICALLY)
PRODUCED OXIDIZING AGENTS)

Examiner: Weber, John P

Group Art Unit: 1651

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M.G.J
4/30/03
(NE)

Übach-Palenberg, Germany , April 24, 2003 — 16 pages —

Assistant Commissioner for Patents
Washington, DC 20231

Docket
Entered
04/30/03

Amendment

Sir:

In response to the Office action dated October 25, 2002, please amend the above-identified application as follows:

In the claims:

The formal corrections etc. according to your requirements: claim Rejections- 35 USC § 101/ 112 and 37 CFR 1.75 [c] are respectfully submitted and attached in corrected claims (claim 101 to 138).
In detail:

Claims 131-138: Claim 131 is changed to:

131. Use of the enzyme component system according to claim 101 in a process for the delignification, modification, bleaching of cellulose/wood pulp from wood or annual plants and of high yield wood pulps (groundwood and refiner pulp) and deinked pulps.

Claims 131-138: Claim 132- 138 is changed to:

132. Use of the enzyme component system according to claim 101 and 131 in a process for the delignification, modification. bleaching of cellulose/wood pulp from wood or annual plants and of high yield wood pulps (groundwood and refiner pulp) and deinked pulps, whereby the reaction of the enzyme component system is carried out at a pH from 2 to 11, at a temperature from 20° to 95 °C, at a pulp consistency from 0.5 to 40%, in the presence of oxygen or air at atmospheric pressure or a slightly positive pressure (up to 2 bar), and system component 1, namely lipase from *Humicula lanuginosa*, is used at a concentration from 0.05 to 5 mg and amidase from *Pseudomonas aeruginosa* is used at a concentration from 40 to